

# ABSTRACT OF THE DISCLOSURE

Image position correcting processing is performed on a low energy image signal and/or a high energy image signal, and a pair of corrected original image signals are thereby obtained. First energy subtraction processing is performed on the pair of the corrected original image signals, and second energy subtraction processing is thereafter performed with respect to the low energy image signal and the high energy image signal. The second energy subtraction processing is performed by the utilization of the pair of the corrected original image signals, which have been obtained at the time of the first energy subtraction processing.